

---

**EMPLOYMENT**

---

Software Engineer Intern **Microsoft (Azure)** (Incoming) Summer 2019

- Will work on the Detection Team to improve detection of malicious activity in Microsoft's cloud services.

Software Engineer Intern **Stockpile Inc.** Summer 2018

- Co-lead development of new Node.js GraphQL API that performs request orchestration for Stockpile's mobile apps. Improved execution of network requests by allowing mobile apps to combine, reuse, and cache queries.
- Revamped iOS app dashboard with interactive graphs and replace old networking code with GraphQL queries.
- Improved Continuous Integration/Continuous Deployment process using Jenkins and BitRise, and implemented UI automation/testing with XCTests for the iOS app and end-to-end testing of GraphQL API with Mocha.
- Helped fix bugs and improve app flows of Stockpile's current React Native mobile app.

Software Engineer Intern **Textpert.ai** Winter 2018

- Created blink detector in Python with OpenCV and Dlib that classifies blinks correctly around 75% of the time.
- Built CNN in Tensorflow to detect facial movements such as smiles and blinks in videos, with 97% accuracy.

Software Engineer Intern **PennyMac Loan Services** Summer 2017

- Created machine learning models with Python and Scikit to predict loan mortgage payoffs with 93% accuracy, compared to the previous 70% accuracy, using an ensemble of random forest and logistic regression algorithms.
- Used external data and feature engineering in Pandas(Python) to enhance feature sets, creating a richer dataset

---

**EDUCATION**

---

Los Angeles, CA **University of California, Los Angeles** Expected June 2020

- B.S. in Computer Science. GPA: 3.35
- Coursework: Operating Systems, Algorithms, Computer Networking, Logic Design. Andrew Ng Coursera (Online)

---

**ORGANIZATIONS/LEADERSHIP**

---

Tech Advisor/Bootcamp lead **UCLA DevX** Fall 2018

- Co-created bootcamp to initiate 18 new members into DevX's tech stack and common tools such as git and ssh.
- Create Twitter clone in Node.js to teach dependency injection, unit testing, SQL joins/relationships, and cookies.

Backend lead **DevX Protect Team: Bruin Bite** Winter 2018

- Led development of Django MVC app that formats UCLA's dining menu into a consumable JSON RESTful API.
- Created messaging service with Django Channels, using Redis to broker messages and push data to web sockets.
- Oversaw integration of services to Postgres on RDS and deployment of servers using Docker on EC2.

---

**SELECTED PROJECTS**

---

**Autofresh: Live-Reloading Development Server**

- Live-reloading Go program that subscribes to Facebook's watchman using sockets to trigger automatic builds if file changes are detected. Enables fast development cycle without having to manually recompile a program.

**ABFeature: Feature Rollout Manager**

- Go Microservice that enables percentage based feature rollout, enabling AB testing and incremental rollouts.
- Uses many-to-many SQL relationships and hash-based distributions in PostgreSQL to enable features for users.

---

**AWARDS AND ADDITIONAL EXPERIENCE**

---

- Treehacks 2018: Top 8 Finalist and Google Cloud Prize winner with iOS app TranslateAR
- UCLA Hacker Expo 2018: Most technically challenging award for TranslateAR (hosted/judged by Facebook.)

---

**LANGUAGES AND TECHNOLOGIES**

---

- **Languages:** Python, Go, Swift, C, C++, SQL, Javascript, HTML/CSS; **Tools:** PostgreSQL, Tensorflow, Docker, Git;